

Table of Contents

	Page
Summary.	i
List of Tables	iii
List of Figures.	iv
Introduction	1
Research Objectives.	2
Methods.	3
Physical and chemical field measurements.	4
Biological measurements	4
Nutrient limitation bioassays	7
Results.	9
Physical-chemical studies	9
Nutrient status and trends.	14
Bioassay studies: Nutrient limitation of phyto-	
plankton biomass and production.	20
Phytoplankton species composition	22
Phytoplankton primary productivity and biomass. . .	26
Zooplankton community characteristics	28
Discussion	31
Seasonal and hydrologic influences on phyto-	
plankton productivity and biomass.	31
Trophic status and trends	43
Management implications.	45
Definitions and paradigms in nutrient limitation . .	45
Management recommendations	47
References cited	50